

NOTES

1. Aerial photography supplied by Aero-Metric Engineering, Boygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
- Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 250 mg/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 250 mg/L)



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FIGURE 5-46
HUMBOLDT MILL PROJECT - PHASE II ESA
MONITORING WELL LOCATIONS
SULFATE IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet
Date: AUGUST 2007
Prepared by: DAT
Project No: 06W003



NOTES

- Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
- Horizontal datum based on NAD 83/96.
- Horizontal coordinates based on Michigan State Plane North.
- Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 300 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 300 ug/L)



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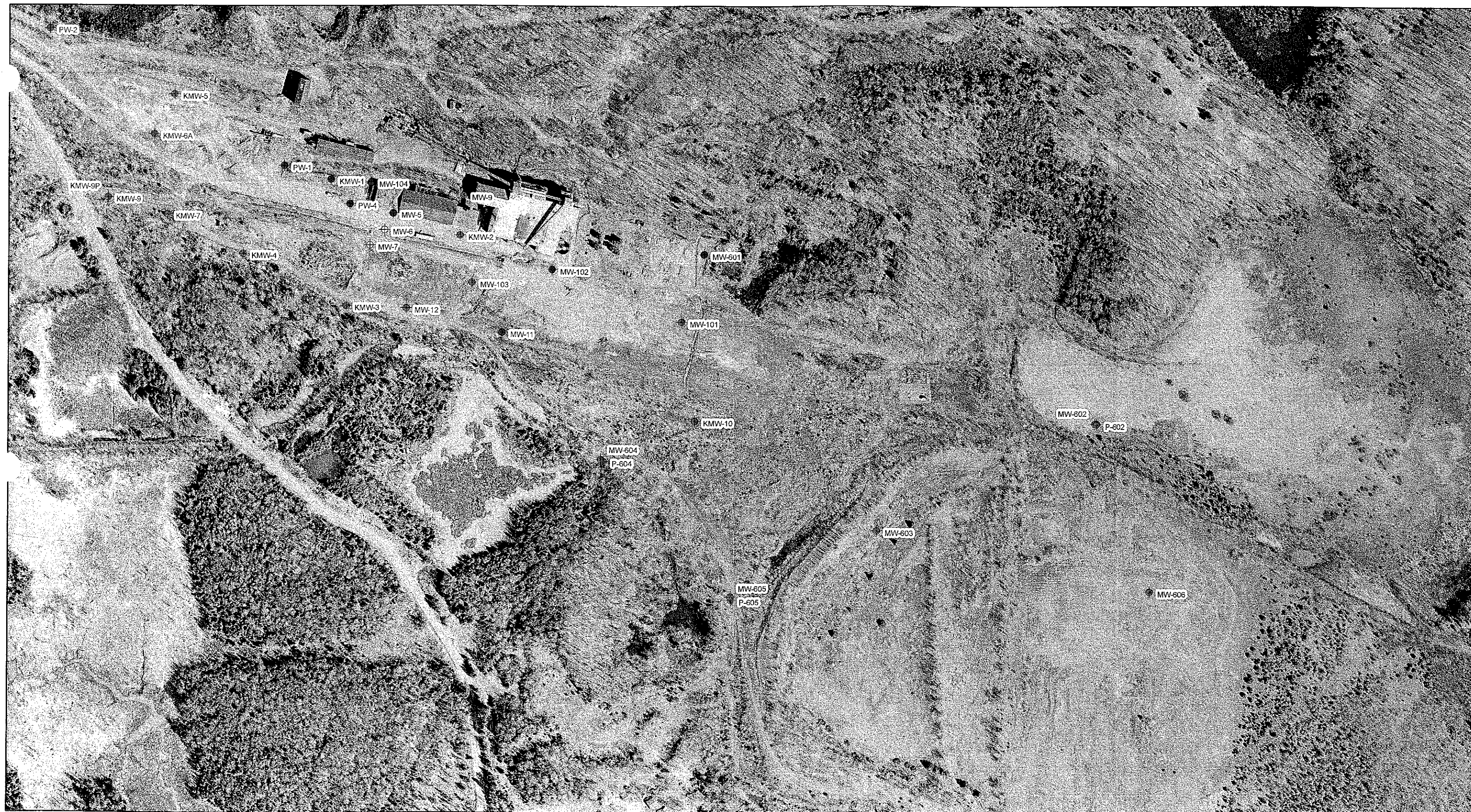


FIGURE 5-47 HUMBOLDT MILL PROJECT - PHASE II ESA MONITORING WELL LOCATIONS IRON IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT Project No: 06W003



- NOTES**
1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
 2. Horizontal datum based on NAD 83/96.
Horizontal coordinates based on Michigan State Plane North.
 3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

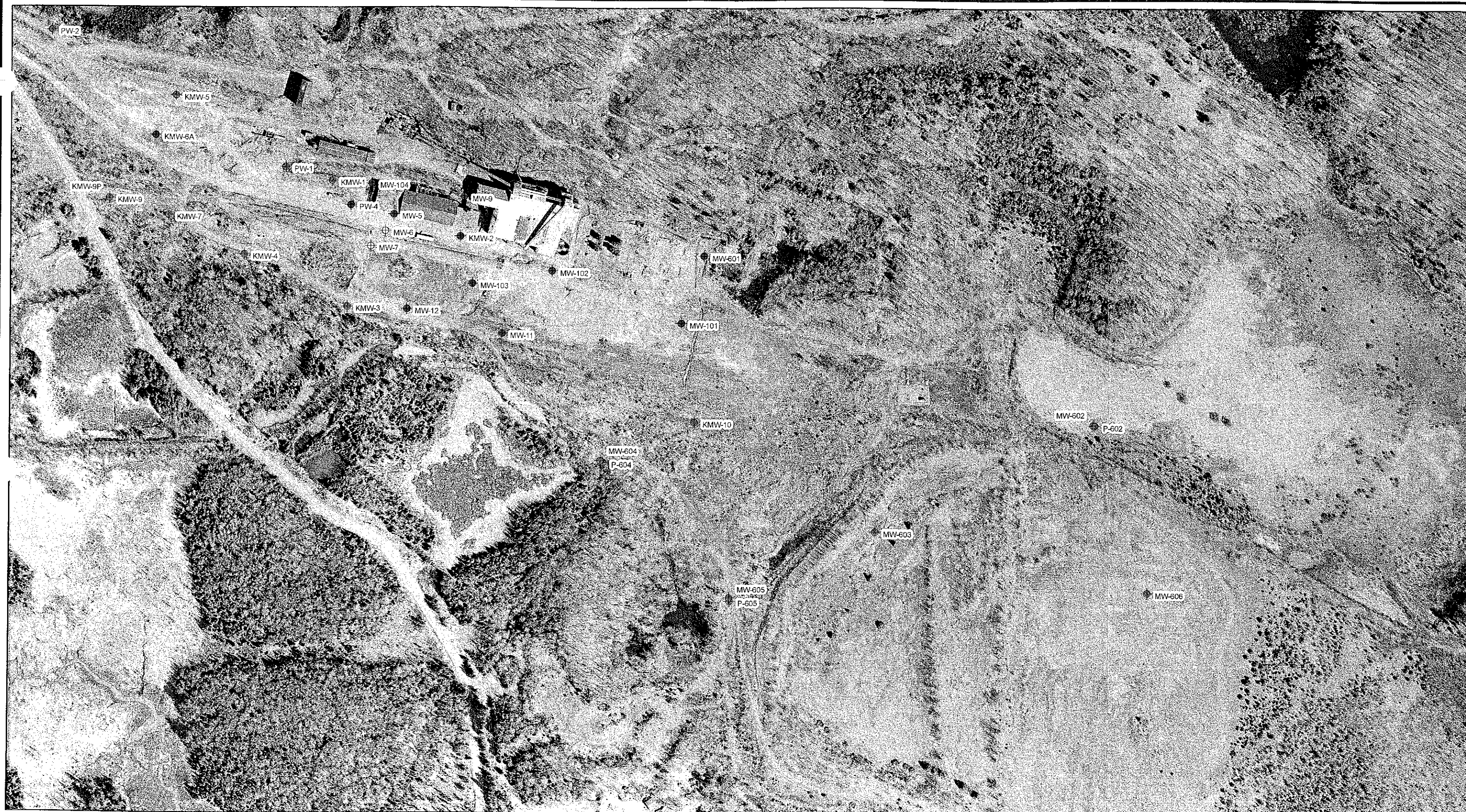
- LEGEND**
- ⊕ Groundwater Monitoring Well - Not Sampled for Parameter
 - ⊗ Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 50 ug/L)
 - ⊙ Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 50 ug/L)



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APPROVED BY:		SVD1	DATE: AUG. '07	
APPROVED BY:			DATE:	



FIGURE 5-49 HUMBOLDT MILL PROJECT - PHASE II ESA MONITORING WELL LOCATIONS ALUMINUM IN GROUNDWATER NOV 2006	
Scale: 0 150 300 Feet	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003



NOTES

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2. Horizontal datum based on NAD 83/96.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 10 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 10 ug/L)



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**FIGURE 5-50
HUMBOLDT MILL PROJECT - PHASE II ESA
MONITORING WELL LOCATIONS
ARSENIC IN GROUNDWATER NOV 2006**

Scale: Feet

Date: AUGUST 2007

Prepared by:

DAT

Project No: 06W003



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
2. Horizontal datum based on NAD 83/96.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 40 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 40 ug/L)



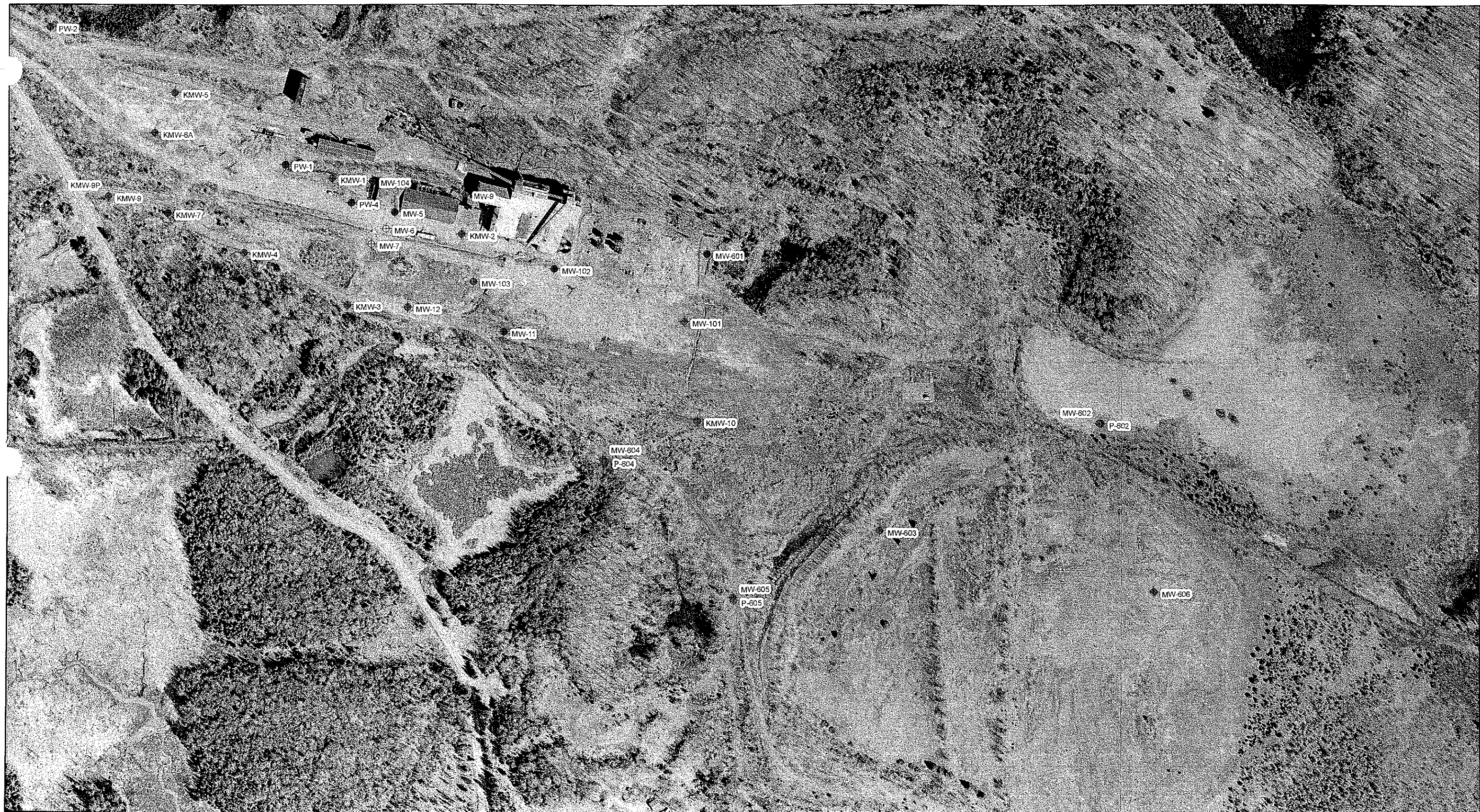
Foth Infrastructure & Environment, LLC

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FIGURE 5-51
HUMBOLDT MILL PROJECT - PHASE II ESA
MONITORING WELL LOCATIONS
COBALT IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet
Date: AUGUST 2007
Prepared by: DAT
Project No: 06W003



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.

2. Horizontal datum based on NAD 83/96.

3. Horizontal coordinates based on Michigan State Plane North.

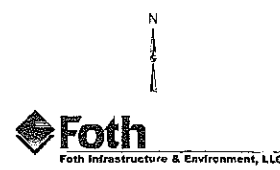
4. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

⊕ Groundwater Monitoring Well - Not Sampled for Parameter

⊗ Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 4.5 ug/L)

⊙ Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 4.5 ug/L)



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APPROVED BY:			DATE:

Kennecott
Eagle Minerals

FIGURE 5-52
HUMBOLDT MILL PROJECT - PHASE II ESA
MONITORING WELL LOCATIONS
VANADIUM IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06V003



NOTES

1. Orthophotography supplied by Aero-Metric Engineering, Sheboygan, Wisconsin. Date of photography: April 27, 2006.
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Horizontal coordinates based on Michigan State Plane North.
3. Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 4 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 4 ug/L)



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APPROVED BY:		SVD1	DATE: AUG. '07
APPROVED BY:			DATE:



FIGURE 5-53
HUMBOLDT MILL PROJECT - PHASE II ESA
MONITORING WELL LOCATIONS
BERYLLIUM IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet	Date: AUGUST 2007
Prepared by: DAT	Project No: 06W003



NOTES

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- Horizontal coordinates based on Michigan State Plane North.
- Site Location - Project Site within Sections 2 and 11, T47N, R29W, Town of Humboldt, Marquette County, Michigan.

LEGEND

- Groundwater Monitoring Well - Not Sampled for Parameter
- Groundwater Monitoring Well - Sample Below Drinking Water Criteria (< 5 ug/L)
- Groundwater Monitoring Well - Sample Above Drinking Water Criteria (> 5 ug/L)



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		SVD1	DATE: AUG. '07
			DATE:



FIGURE 5-54 HUMBOLDT MILL PROJECT - PHASE II ESA MONITORING WELL LOCATIONS CADMIUM IN GROUNDWATER NOV 2006

Scale: 0 150 300 Feet

Date: AUGUST 2007

Prepared by: DAT

Project No: 06W003

